

**HYDROGRAPHY AND CARTOGRAPHY IN INLAND WATERS WORKING GROUP  
(HCIWWG)**

**Terms of Reference**

**1. Objective**

Analyse and recommend the level and nature of IHO involvement in the hydrography and cartography of inland waterways.

**2. Authority**

This Working Group (WG) is a subsidiary of the IHO CHRIS. Its work is subject to IHO CHRIS approval.

**3. Procedures**

The WG should:

- a) Define those inland waterways for which the IHO may have a significant role.
- b) Determine any actions that the IHO might take to contribute positively to the hydrography and cartography of inland waterways and propose which IHO bodies might foster such actions.
- c) Propose any Technical and/or Administrative Resolutions that may be required to reflect IHO involvement in the hydrography and cartography of inland waterways.
- d) The WG should liaise with all relevant non-IHO international bodies including the Inland ECDIS Harmonization Group (IEHG), as appropriate;
- e) The WG should work by correspondence, and use group meetings, workshops or symposia only if required.
- f) Submit a report and recommendations to CHRIS/20 in 2008 for subsequent consideration at the 4<sup>th</sup> Extraordinary International Hydrographic Conference in 2009.

**4. Composition and Chairmanship**

- a) The WG shall comprise representatives of Member States, Expert Contributors and Accredited NGIO Observers, all of whom have expressed their willingness to participate.
- b) Member States, Expert Contributors and Accredited NGIO Observers may indicate their willingness to participate at any time. A membership list shall be maintained and confirmed annually.
- c) Expert Contributor membership is open to entities and organisations that can provide a relevant and constructive contribution to the work of the WG.
- d) The Chair and Vice-Chair shall be a representative of a Member State. The election of the Chair and Vice-Chair should normally be decided at the first meeting after each ordinary session of the Conference (Conference to be replaced by Assembly when the revised IHO Convention enters force) and, in such case, shall be determined by vote of the Member States present and voting.
- e) Decisions should generally be made by consensus. If votes are required on issues or to endorse proposals presented to the WG, only M/S may cast a vote. Votes shall be

on the basis of one vote per M/S represented. In the event that votes are required between meetings or in the absence of meetings, including for elections of the Chair and Vice Chair, this shall be achieved through a postal ballot of those M/S on the current membership list.

- f) If a secretary is required it should normally be drawn from a member of the WG.
- g) If the Chair is unable to carry out the duties of the office, the Vice-Chair shall act as the Chair with the same powers and duties.
- h) Expert Contributors shall seek approval of membership from the Chairman.
- i) Expert Contributor membership may be withdrawn in the event that a majority of the M/S represented in the WG agrees that an Expert Contributor's continued participation is irrelevant or unconstructive to the work of the WG.
- j) All members shall inform the Chairman in advance of their intention to attend any meetings of the WG.
- k) In the event that a large number of Expert Contributor members seek to attend a meeting, the Chairman may restrict attendance by inviting Expert Contributors to act through one or more collective representatives.

## Hydrography and Cartography in Inland Waters WG (HCIWWG)

### Initial Membership List (Responses to IHB CL 62/2007)

Member State	Candidate?	Name	Chair / Vice Chair?	E-mail
Australia	No	-	-	-
Bahrain	No	-	-	-
Brazil	Yes	Capt (Ret.) Wesley W. CAVALHEIRO	Yes <b>(Chair)</b>	<a href="mailto:wesley.cavalheiro@yahoo.com">wesley.cavalheiro@yahoo.com</a>
Colombia	Yes	Capt. Juan Manuel SOLTAU O.	No	<a href="mailto:cioh_hidro@sirius.enap.edu.co">cioh_hidro@sirius.enap.edu.co</a>
Denmark	No	-	-	-
Ecuador	Yes	Lt. Jorge ALAVERA A.	No	<a href="mailto:sec-hidrografia@inocar.mil.ec">sec-hidrografia@inocar.mil.ec</a>
Estonia	No	-	-	-
Finland	Yes	Mr. Juha KORHONEN	Yes <b>(Vice Chair)</b>	<a href="mailto:Juha.korhonen@fma.fi">Juha.korhonen@fma.fi</a>
France	Yes	LtCdr. Serge ALLAIN	No	<a href="mailto:serge.allain@shom.fr">serge.allain@shom.fr</a>
Germany	Yes	Mr. Harry WIRTH	No	<a href="mailto:Wirth@bafg.de">Wirth@bafg.de</a>
Iceland	No	-	-	-
Italy	Yes	Cdr. Enrico ANTONINO or Cdr. Alessandro NOBILI	No	<a href="mailto:iim.crt@marina.difesa.it">iim.crt@marina.difesa.it</a>
Japan	No	-	-	-
Korea (Rep of)	No	-	-	-
Latvia	No	-	-	-
Mozambique	Yes	Mr. Augusto Jessenaõ BATA	No	<a href="mailto:bata@inahina.gov.mz">bata@inahina.gov.mz</a>
Netherlands	No	-	-	-
Nigeria	Yes	Capt. AZ MUAZU	No	<a href="mailto:nnho_nnhydrographicoffice@yahoo.com">nnho_nnhydrographicoffice@yahoo.com</a>
Norway	No	-	-	-
Pakistan	No	-	-	-
Peru	Yes	Cdr. José GIANELLA H.	No	<a href="mailto:jgianella@dhn.mil.pe">jgianella@dhn.mil.pe</a>
Serbia	Yes	Ms. Jasna MUŠKATIROVIĆ	No	<a href="mailto:iho-serbia@plovput.co.yu">iho-serbia@plovput.co.yu</a>
Singapore	No	-	-	-
Slovenia	Yes	Mr. Igor KARNICNIK	No	<a href="mailto:igor.karnicnik@geod-is.si">igor.karnicnik@geod-is.si</a>
Spain	No	-	-	-
Sweden	No	-	-	-
Turkey	No	-	-	-
UK	Yes	<i>To be advised</i>	No	
USA	Yes	Mr. Anthony NILES Ms. Denise LADUE	No No <b>(Secret)</b>	<a href="mailto:Anthony.R.Niles@erdc.usace.army.mil">Anthony.R.Niles@erdc.usace.army.mil</a> <a href="mailto:Denise.R.LaDue@usace.army.mil">Denise.R.LaDue@usace.army.mil</a>